

EC08 Daily Report

29 Jul 08

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Australia – DIGO

Location: DIGO in Canberra, Australia

POC(s): Jeff Frazier / Mitch Honeysett

- Personnel: 8 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Continue to troubleshoot GBS
 - Practice / train FMV process
 - Troubleshoot China Lake Co-Host
 - Significant Issues:
 - GBS – still unable to receive imagery packets from the TIP
 - 1st quarter of OPS, issues with GBS FMV from Scan Eagle – issue resolved
 - Issues with the China Lake Co-Host; unable to retrieve / post imagery...see comments
- Imagery Products:
 - Products Collected: Five Scan Eagle imagery products – posted to CSD
- Additional Comments: Co-Host
 - The problem was that the JARIC and DIGO were unable to retrieve and post imagery to the China Lake Co-Host
 - After discussions with Steve Etheridge (JARIC Co-Host support engineer), we came to the conclusion that somehow the China Lake Co-Host became “somehow” corrupted, offline, or something to that effect
 - Steve remotely logged into the China Lake Co-Host and rebooted it, and at that point we were able to retrieve imagery; however, could not look at the thumbnails and unable to fully look at the imagery
 - Steve successfully loaded an image and we both were able to look at the thumbnail and download the imagery successfully
 - Therefore, the Global Hawk imagery somehow became corrupted while being played back into the Co-Host
 - Ref...Imagery collected on 23 July, posted on 29 July – not sure how...?
 - Will re-look at it again tomorrow

Canadian Army – Task Force Victory

Location: ECR

POC(s): Major Keith Laughton

- Personnel: 45 personnel with no issues to report
- Activities:
 - Summary of Planned Activities: All sensors deployed
 - Significant Issue: The configuration problems with CSD came back – CSD causes problems
 - Data from DCGS CSD has been requested so we can troubleshoot back home to try to identify what the problem is

- Imagery Products:
 - Products Collected:
 - Still imagery from Coyote and TSK
 - Video files from TSK (AVI only)
- Summary:
 - Where Help is Needed: We need data from DCGS that is populated in the Langley CSD for troubleshooting

DCGS-N

Location: DCGS-N Integration and Development Lab, SPAWAR System Center, Charleston, SC

POC(s): T.K. Quigley

- Personnel: 6 personnel with no issues to report
 - JITC observers returned to Charleston to observe the final stages of EC08, including PDM III testing on 31 July / 1 August
- Activities:
 - Summary of Planned Activities:
 - Continue daily interoperability checks with other DDTE nodes
 - Continue final preparations for PDM III NCES testing scheduled for 31 July and 1 August
- Summary:
 - Successes:
 - Successfully accessed portals of 10 DDTE nodes
 - Able to search / discover and pull metadata from 5 sites and retrieve data from one
 - DDTE downloads are very slow; 135MB file takes ~90 minutes to download
 - Worked with personnel at DGS-X and USMC ITSFAC who accessed DCGS-N's DDTE portal
 - ITSFAC successfully searched / discovered and retrieved imagery from DCGS-N IPL

DHMO/DIA HUMINT Team – MIV-G

Location: Michelson Labs / Echo Range

POC(s): John Grant / Matt Leclair / Bert Newton / Don Fontenot

- Personnel: 4 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Brief DVs on MIV-G and PRISM
 - Participate in Mission Thread on Echo Range for MIV-G collect of ambush
 - Make MIV-G data of ambush available on all three networks
 - Continue to make access to MIV-G data on CFE, COI and DDTE available to all on those networks
- Imagery Products:
 - Products Collected: MIV-G collect of ambush
- Summary:
 - Successes:
 - Briefed DVs on MIV-G and PRISM
 - Participated in Mission Thread on Echo Range for MIV-G collect of ambush
 - Made MIV-G data of ambush available on all three networks
 - Continued to make access to MIV-G data on CFE, COI and DDTE available to all on those networks

DTRA / Targeting P-ISR and Agent Logic

Location: Michelson Labs (Rooms 136 and 409), China Lake / WMD Response Cell, Joint Intelligence Lab, Suffolk, VA

POC(s): Evan Madsen (China Lake Targeting P-ISR) / Dave Pyle (JIL WMD Response Cell) / Adam Edleman (Agent Logic)

- Personnel: 2 personnel at China Lake and 4 personnel at Suffolk with no issues to report

- Activities:
 - Summary of Planned Activities:
 - China Lake:
 - Targeting P-ISR: Coordinate reach-back cell at the JIL participation in the MDA Ground Scenario
 - Agent Logic:
 - Detect chemical agent release from SensorWeb
 - Track nearby vehicles based on analyst-created MTI products
 - Correlate biometric data pulled from vehicles with intelligence from MDA Sea Scenario
 - Suffolk:
 - Targeting P-ISR: Provide CM and COE decision support products to CAOC-X on the CFBL as events unfold during MDA ground scenario execution
 - Agent Logic:
 - Alert WMD reach-back cell on chemical agent release via Agent Logic web interface
 - Publish geoRSS feed for all SensorWeb sensor reports accessible on DDTE
- Summary:
 - Successes:
 - China Lake:
 - Targeting P-ISR: Provided support to MDA Ground Scenario (consequence management and consequence of execution support in particular)
 - Agent Logic:
 - Issues warning order at 0815 (PST) based on previous intelligence from the MDA Sea Scenario
 - Detected chemical sensor event at 1000 PST and alerted PSTB analyst
 - Provided KML correlation overlay of sensor detect with recent sensor and MTI events for use in GE
 - Alerted on creation of new MTI tracks near chemical sensor event
 - Detected biometrics identification events from Cursor on Target messages
 - Alerted on presence of Larkom and Fosterka in theater of operations and correlated alert against intelligence from sea scenario
 - Suffolk:
 - Targeting P-ISR:
 - Monitored JADOCs, JPS and Operations chats on CFBL and responded to request for consequence assessment on the WMD-related vehicle IED event – the WMD Response Cell also responded to consequence of execution requests for strikes on vehicles identified as carrying containers of sarin
 - Performed hazard predictions on DDTE and moved products via the local ASO to CFBL – published products to GoogleEarth for viewing at CAOC-X on CFBL at China Lake
 - Agent Logic:
 - Monitored DTRA share folder for creation of new consequence management products
 - Issues warning order at 0815 PST based on previous intelligence from the MDA sea scenario
 - Detected chemical sensor event at 1000 PST and alerted WMD response cell analysts
 - Alerted analysts on new consequence management report for chemical release – automatically created rules to deliver reports to analysts interested in chemical sensor events
 - Provided training on rule creation and alert management to WMD response cell
 - Where Help is Needed: Agent Logic – SensorWeb geoRSS feed not operational on the DDTE; manually fed chemical alert event into system based on IWARN
- Additional Comments:
 - DTRA visitors at the JIL – Ric Jones, Major Ben Greenfield and Mr. Dennis Yatras
 - Mr. Evan Madsen going off-station from China Lake 30 Jul

GBS – CFBLNet – Project Diamond

Location: JARIC and Digby

POC(s): Andy McAleer (JARIC) / Flt Lt Neil Towers (Digby)

- Personnel: 10 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Complete RSTA tasking
 - Create product from ASTOR NITF and repost to IPL
 - Support China Lake VIP day
- Imagery Products:
 - Products Collected: Scan Eagle live video feed
 - Imagery Quality: Video quality was much better today – would be good to have the telemetry data on the video all the time (if it can get through the guard); had it for about an hour and it really helps build and maintain SA
- Summary:
 - Successes:
 - Good FMV exploitation – great teamwork with China Lake and DIGO resulted in positive outcome in WMD serial
 - PICTE remains operational and recording 30-second clips to local directory
 - Success in posting to CFE IPL at China Lake
 - Success in Q2 imagery ordering from CFE IPL at China Lake
 - Where Help is Needed:
 - Still need to discuss CGS/RAPTOR Sensor Model – awaiting guidance from China Lake (via Bill Craig or Sqn Ldr Reeves)
 - Request clarification as to how individual platform and sensor nomenclatures can be easily identified on the China Lake CFE IPL (we think it is difficult to understand)
 - Request MSR between CP101 and CP102 is changed on GE overlay from OPAL to TOPAZ
 - Is it possible to have MGRS georef data available on GE?
- Additional Comments:
 - Resolved IPL filter issues from yesterday – successfully posted ASTOR NITF product back to China Lake CFE IPL
 - Intend to burn ASTOR NITF to CD for test ingest into JARIC IPL – awaiting feedback

JBAIIC

Location: Echo Range (UAV Hangar) / Michelson Labs (Room 136), NAWC China Lake, CA

POC(s): CDR "Gus" Crissman / Charley Hart

- Personnel: 25 personnel with no issues to report
- Activities:
 - Summary of Planned Activities: Support of Stryker Platoon, Reconnaissance, and Resupply (Convoy) operations
 - Significant Issues:
 - Today, JBAIIC focused on facilitating the extended MDA thread and the related and inter-related WMD and biometrics vignettes
 - This event integrated a host of sensors to include MTI (from two different platforms), DTRA WMD sensors, Scan Eagle FMV, a CrossMatch Seek ID, and a Sony digital video camera; targeting/analytical tools (JADOCS, AFATDS, PIR, FET); and a complex series of communications links to include developmental TrellisWare Cheetah radios, a Harris PRC-117G net, the COI network, the Tactical Network Topology network, and UHF SATCOM
 - Today, ShotSpotter, Inc. conducted a live-fire event on the NAWC China Lake Echo Range (Charlie Airfield) to test the integration of ShotSpotter's acoustic gunshot detection capability with Radiance, Inc.'s infrared muzzle flash detection capability
 - Live small arms fire from both an AK-47 and a M-4 were conducted
 - A third partner, Torrey Pines Logic, was included in the trials
 - Torrey Pines Logic makes a stacked optics (scope) detector utilizing a diffused, invisible laser to illuminate optics, providing range and bearing
 - Leveraging CoT network interoperability, ShotSpotter processors ingested Torrey Pines I & W of a possible sniper before the shot was taken

- When the sniper fired, ShotSpotter was able to geolocate the shooter alone, or in conjunction with Radiance infrared muzzle flash sensors
 - This architecture, which provides full spectrum pre-shot / post-shot counter-sniper capability, was the subject of the event, the detailed results of which will be available tomorrow
- Summary:
 - Success: The MDA / WMD / Biometrics event successfully exfiltrated biometric data and motion imagery from a remote cave in the high desert of California, and passed that data to the BFC

LiMIT

Location: Echo Range

POC(s): Kate Hollister

- Personnel: 4 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Provided SAR and GMTI products of selected areas of ECR to Fusion Exploitation Tool (FET) and MAJIC.
 - Significant Issues:
 - Issues with ftp from Paul Revere trailer through the Guard caused delays of up to 2 hours in transferring the imagery to subscribers.
- Summary:
 - Successes:
 - Collected SAR imagery of target before JDAM strike.
 - Lessons Learned:
 - Need more stable connectivity between Paul Revere trailer and HSG on COI.

LOS/BLOS

Location: China Lake / Nellis AFB

POC(s): David Setser / Peter Kuhl

- Personnel: Approximately 100 personnel at China Lake and Nellis with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Planned and flew a joint airborne networking flight with Paul Revere, E-2 XHawk, E-3 AWACS and E-8 JSTARS airborne at China Lake
 - Objective was to exercise NTISR, CAS and Strike threads using JADOCs, Chat and Airborne Web Services software
 - No degraded-network testing was planned
 - Conducted VIP demos
 - Significant Issues:
 - All platforms flew today
 - AWACS and Paul Revere accomplished NTISR and Strike threads
 - XHawk accomplished LINK-16 and NTISR threads
 - PR and JSTARS also provided pre-strike imagery for a live JDAM drop
- Imagery Products:
 - Products Collected: JSTARS and PR collected SAR imagery of JDAM target
- Summary:
 - Successes:
 - Good success executing NTISR and CAS threads using PR and AWACS
 - AWS performance on AWACS and PR was significantly improved
 - XHawk ran several successful ISR threads

SensorWeb

Location: JBAIIC and tactical sites on Echo Range / Room 409 at Michelson Labs

POC(s): Charlie Gates

- Personnel: 10 personnel with no issues to report
 - Ed Yery arrived today; Matt Strehle arrived yesterday
- Activities:
 - Summary of Planned Activities:
 - Support DV and VIP activities
 - Emplace Canadian M83 Sensor System
 - Assist ArgonST with Night Scout FMV
 - Significant Issues:
 - Night Scout did connect to SensorWeb and send TransducerML
 - M83 Sensor System is working
- Additional Comments:
 - JBAIIC changed their data request from TCP to UDP
 - We accessed our services, changed their preferences of alert in our Sensor Alert Service (SAS) for them, and are now sending via UDP
 - Mr. Don Self gave SensorWeb laudatory comments during VIP brief today